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DB Name	Query	Hit Count	Set Name
USPT	l6 and l4	12	L7
USPT	pcv	867	L6
USPT	l4 and l3	0	L5
USPT	porcine	6926	L4
USPT	("PCV").clm.	66	L3
USPT	("PMWS").clm.	14	L2
USPT	("PMWS")	216	L1

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 e wang li/au,in

E1            3      WANG LEYONG/AU
E2            5      WANG LEYU/AU
E3          550 --> WANG LI/AU
E4           26      WANG LI/IN
E5            2      WANG LI AN/AU
E6           21      WANG LI BEN/AU
E7            8      WANG LI BO/AU
E8            2      WANG LI CHANG/AU
E9            1      WANG LI CHEN/AU
E10          11      WANG LI CHONG/AU
E11          11      WANG LI CHUAN/AU
E12           1      WANG LI CHUAN/IN

=> s e3

L1          550 "WANG LI"/AU

=> s e4

L2           26 "WANG LI"/IN

=> s pig

L3       103919 PIG

=> s l3 and l1

L4            6 L3 AND L1

=> s l2 and l3

L5            0 L2 AND L3

=> s porcine

L6        28819 PORCINE

=> s l1 and l6

L7            3 L1 AND L6
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d his

     (FILE 'HOME' ENTERED AT 15:31:08 ON 14 JAN 2000)

     INDEX 'ADISALERTS, ADISINSIGHT, AGRICOLA, AIDSLINE, ANABSTR, AQUASCI,
     BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, CABA,
CANCERLIT,
     CAPLUS, CEABA, CEN, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE,
DRUGB,
     DRUGLAUNCH, DRUGMONOG2, DRUGNL, ...' ENTERED AT 15:31:27 ON 14 JAN 2000
               SEA PMWS
               ---------
                3   FILE AGRICOLA
               13   FILE BIOSIS
               24   FILE CABA
                7   FILE CAPLUS
               12   FILE DGENE
                1   FILE EMBAL
               13   FILE EMBASE
                5   FILE ESBIOBASE
                9   FILE GENBANK
                1   FILE JICST-EPLUS
                5   FILE LIFESCI
               16   FILE MEDLINE
                7   FILE PHIN
               21   FILE SCISEARCH
                5   FILE TOXLIT
                1   FILE USPATFULL
                4   FILE WPIDS
                4   FILE WPINDEX
L1              QUE PMWS
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     FILE 'CABA' ENTERED AT 15:32:15 ON 14 JAN 2000
L2         15494 S PORCINE
L3            24 S PMWS
L4            21 S L2 AND L3

     FILE 'MEDLINE' ENTERED AT 15:36:22 ON 14 JAN 2000
L5            16 S PMWS
                 E WILSON P/AU
L6           307 S E3
L7             0 S PORCINE AND L6
L8             0 S L5 AND L6
                 E WANG LI/AU

     FILE 'CAPLUS' ENTERED AT 15:41:02 ON 14 JAN 2000
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d l11 4 all

L11 ANSWER 4 OF 17 BIOSIS COPYRIGHT 2000 BIOSIS
AN 2000:78745 BIOSIS
DN PREV200000078745
TI Porcine circoviruses.
AU Kecskemeti, Sandor (1); Kiss, Istvan (1); Tuboly, Tamas
CS (1) Debreceni Allat-egeszsegugyi Intezet, H-4002, Debrecen Hungary
SO Magyar Allatorvosok Lapja, (Nov., 1999) Vol. 121, No. 11, pp. 639-642.
ISSN: 0025-004X.
DT Article
LA Hungarian
SL English; Hungarian
AB The authors review the recently described porcine circoviruses and the post-weaning multisystemic wasting syndrome (**PMWS**) of pigs that has been associated with these agents. The widespread type I porcine circoviruses have already been known for at least 25 years and seem to be apathogenic. **PMWS**, which is characterised by progressive weight loss, respiratory signs, occasionally with jaundice, and consistently combined with interstitial pneumonia and lymphadenopathy, is caused by type II porcine circoviruses. Demonstration of the presence of the causative agent is most commonly performed by immunohistochemistry and PCR, while ELISA and virus neutralisation tests are used for serological investigations. The authors developed a PCR assay for the detection of porcine circoviruses. The accomplished surveys have not found any positive animals in the sampled pig herds.
CC Veterinary Science - Pathology *38004
Pathology, General and Miscellaneous - Diagnostic *12504
Veterinary Science - Microbiology *38006
Medical and Clinical Microbiology - Virology *36006
BC Animal Viruses - General 02600
Suidae 85740
IT Major Concepts
Infection; Veterinary Medicine (Medical Sciences)
IT Diseases
post-weaning multisystemic wasting syndrome: symptoms, viral disease
IT Methods & Equipment
ELISA: analytical method; PCR [polymerase chain reaction]: diagnostic method, genetic method; immunohistochemistry: histochemical method
ORGN Super Taxa
Animal Viruses: Viruses, Microorganisms; Suidae: Artiodactyla, Mammalia, Vertebrata, Chordata, Animalia
ORGN Organism Name
pig (Suidae): host; porcine circovirus type I (Animal Viruses); porcine circovirus type II (Animal Viruses): pathogen
ORGN Organism Superterms
Animal Viruses; Animals; Artiodactyls; Chordates; Mammals; Microorganisms; Nonhuman Mammals; Nonhuman Vertebrates; Vertebrates; Viruses

=> d l7 1-3 ti

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2000 ACS
TI Determination of antipyrine concentration in Neijiang pigs serum by micellar electrokinetic capillary chromatography

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2000 ACS
TI Serum hormone and target organ responses after irradiation of hypothalamus with various doses

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2000 ACS
TI Isolation and characterization of a new **porcine** circovirus, PCVII, and its role in the diagnosis and treatment of postweaning multisystemic wasting syndrome

=> d l7 1-3

L7 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2000 ACS
AN 1999:774355 CAPLUS
TI Determination of antipyrine concentration in Neijiang pigs serum by micellar electrokinetic capillary chromatography
AU Wei, Qiu; Peng, Ying; **Wang, Li**; Cai, Shaohui; Cheng, Jingqiu; Li, Youping
CS The First Affiliated Hospital, West China University of Medical Sciences, Chengdu, 610041, Peop. Rep. China
SO Huaxi Yaoxue Zazhi (1999), 14(4), 217-220
CODEN: HYZAE2; ISSN: 1006-0103
PB Huaxi Yike Daxue Yaoxueyuan
DT Journal
LA Chinese

L7 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2000 ACS
AN 1999:682733 CAPLUS
TI Serum hormone and target organ responses after irradiation of hypothalamus with various doses
AU Wang, Yingxuan; **Wang, Li**; Qiao, Guangyu; Zhou, Dingbiao
CS Department of Radiotherapy, Chinese PLA General Hospital, Beijing, 100853, Peop. Rep. China
SO Zhonghua Fangshe Yixue Yu Fanghu Zazhi (1999), 19(4), 248-250
CODEN: ZFYZDY; ISSN: 0254-5098
PB Weishengbu Gongye Weisheng Shiyanso
DT Journal
LA Chinese

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2000 ACS
AN 1999:390419 CAPLUS
DN 131:40578
TI Isolation and characterization of a new **porcine** circovirus, PCVII, and its role in the diagnosis and treatment of postweaning multisystemic wasting syndrome
IN **Wang, Li**; Babiuk, Lorne A.; Potter, Andrew A.; Willson, Philip
PA University of Saskatchewan, Can.
SO PCT Int. Appl., 82 pp.

CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9929717	A2	19990617	WO 1998-CA1130	19981211
	WO 9929717	A3	19991007		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

	AU 9915526	A1	19990628	AU 1999-15526	19981211

PRAI US 1997-69233 19971211
US 1997-69750 19971216
US 1997-PV69233 19971211
US 1997-PV69750 19971216
WO 1998-CA1130 19981211

=> d l7 3 ab

L7 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2000 ACS

AB The present invention pertains to the isolation and characterization of a new **porcine** circovirus (PCV), designated PCV Type II (PCVII), isolated from pigs displaying postweaning multisystemic wasting syndrome (PMWS). The virus shares common features with a nonpathogenic PCVI obtained from persistently infected PK15 cells, and its genome has six potential ORFs encoding proteins larger than 50 amino acid residues. The main targets for PCVII are mononuclear cells in the peripheral blood, preferably macrophage cells, which lose their normal function upon infection and cause damage to the host immune system, thereby leading to death. The various proteins, or fragments thereof, encoded within the open reading frames of the viral genome are useful as stds. or reagents in diagnostic tests and as components of vaccines. Thus, the invention relates to utilizing the provided DNA sequences, or portions thereof, as oligomeric probes, for prodn. of peptides which can serve as diagnostic reagents or as vaccine antigens, to the peptides themselves, and to polyclonal and monoclonal antibodies useful in diagnosis and treatment of PMWS.

J Gen Virol 1997 Jan;78 (Pt 1):221-7

Sequence of porcine circovirus DNA: affinities with plant circoviruses.

Meehan BM, Creelan JL, McNulty MS, Todd D

Department of Veterinary Science, The Queen's University of Belfast, UK.

The complete nucleotide sequence (1759 nt) of the ssDNA genome of porcine circovirus (PCV) was determined from a cloned dsDNA replicative form isolated from PCV-infected cells. Sequence analysis detected no significant nucleic acid or protein similarity with another animal circovirus, chicken anaemia virus (CAV) but, surprisingly, the highest protein similarity was obtained between the product of the largest predicted PCV ORF (ORF1; encoding a potential protein of 35.7 kDa) and a putative protein encoded by the plant circovirus banana bunchy top virus (BBTV). High protein similarity was also detected with the other plant circoviruses subterranean clover stunt virus (SCSV) and coconut foliar decay virus (CFDV). This region of protein identity corresponds with the putative plant circovirus replication-associated protein (Rep). The presence of a nonanucleotide sequence at the apex of a potential-stem loop structure, identical to that found in the plant circoviruses CFDV and SCSV and similar (one mismatch) to that found in the plant circovirus BBTV and in the geminiviruses, suggests that rolling-circle replication may operate during PCV DNA replication. These findings show that PCV is unique in that it bridges the gap between animal and plant circoviruses. The taxonomic relationship of PCV with other members of the Circoviridae is discussed.

PMID: 9010307, UI: 97163487

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☐ Meehan BM, et al. [See Related Articles]
Characterization of novel circovirus DNAs associated with wasting syndromes in pigs.
J Gen Virol. 1998 Sep;79 (Pt 9):2171-9.
PMID: 9747726; UI: 98418498.

☐ Allan GM, et al. [See Related Articles]
Isolation and characterisation of circoviruses from pigs with wasting syndromes in Spain, Denmark and Northern Ireland.
Vet Microbiol. 1999 Apr 1;66(2):115-23.
PMID: 10227473; UI: 99242012.

☐ Allan G, et al. [See Related Articles]
Novel porcine circoviruses from pigs with wasting disease syndromes.
Vet Rec. 1998 Apr 25;142(17):467-8. No abstract available.
PMID: 9602519; UI: 98265229.

☐ Nayar GP, et al. [See Related Articles]
Detection and characterization of porcine circovirus associated with postweaning multisystemic wasting syndrome in pigs.
Can Vet J. 1997 Jun;38(6):385-6. No abstract available.
PMID: 9187809; UI: 97331477.

☐ Onuki A, et al. [See Related Articles]
Detection of porcine circovirus from lesions of a pig with wasting disease in Japan.
J Vet Med Sci. 1999 Oct;61(10):1119-23.
PMID: 10563289; UI: 20029029.

☐ Hamel AL, et al. [See Related Articles]
Nucleotide sequence of porcine circovirus associated with postweaning multisystemic wasting syndrome in pigs.
J Virol. 1998 Jun;72(6):5262-7.
PMID: 9573301; UI: 98241772.

☐ Morozov I, et al. [See Related Articles]
Detection of a novel strain of porcine circovirus in pigs with postweaning multisystemic wasting syndrome.

J Clin Microbiol. 1998 Sep;36(9):2535-41.
PMID: 9705388; UI: 98371088.

☐ Plana-Duran J, et al. [See Related Articles]
Post-weaning multisystemic wasting syndrome in Spain.
Vet Rec. 1999 Jul 17;145(3):87-8. No abstract available.
PMID: 10460036; UI: 99387792.

☐ Balasch M, et al. [See Related Articles]
Experimental inoculation of conventional pigs with tissue homogenates from pigs with post-weaning multisystemic wasting syndrome.
J Comp Pathol. 1999 Aug;121(2):139-48.
PMID: 10405306; UI: 99380811.

☐ [No authors listed] [See Related Articles]
[Possible pathogen: porcine circovirus].
Tijdschr Diergeneeskd. 1999 Jul 15-Aug 1;124(14-15):444-5. Dutch. No abstract available.
PMID: 10486869; UI: 99416337.

☐ Kiupel M, et al. [See Related Articles]
Circovirus-like viral associated disease in weaned pigs in Indiana.
Vet Pathol. 1998 Jul;35(4):303-7.
PMID: 9684976; UI: 98348118.

☐ Allan GM, et al. [See Related Articles]
Isolation of porcine circovirus-like viruses from pigs with a wasting disease in the USA and Europe.
J Vet Diagn Invest. 1998 Jan;10(1):3-10.
PMID: 9526853; UI: 98186048.

☐ Larochelle R, et al. [See Related Articles]
Typing of porcine circovirus in clinical specimens by multiplex PCR.
J Virol Methods. 1999 Jun;80(1):69-75.
PMID: 10403678; UI: 99330472.

☐ Ellis J, et al. [See Related Articles]
Isolation of circovirus from lesions of pigs with postweaning multisystemic wasting syndrome.
Can Vet J. 1998 Jan;39(1):44-51.
PMID: 9442952; UI: 98105163.

☐ Segales J, et al. [See Related Articles]
First report of post-weaning multisystemic wasting syndrome in pigs in Spain.
Vet Rec. 1997 Dec 6;141(23):600-1. No abstract available.
PMID: 9429277; UI: 98090996.

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Porcine circovirus infection in Northern Ireland.
Vet Rec. 1998 May 2;142(18):495-6. No abstract available.
PMID: 9612920; UI: 98275867.

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Identification and incidence of porcine circovirus in routine field cases in Quebec as determined by PCR.
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PMID: 10466832; UI: 99394708.

☐ Meehan BM, et al. [See Related Articles]
Sequence of porcine circovirus DNA: affinities with plant circoviruses.
J Gen Virol. 1997 Jan;78 (Pt 1):221-7.
PMID: 9010307; UI: 97163487.

☐ Allan GM, et al. [See Related Articles]
Experimental reproduction of severe wasting disease by co-infection of pigs with porcine circovirus and porcine parvovirus.
J Comp Pathol. 1999 Jul;121(1):1-11.
PMID: 10373289; UI: 99303660.

☐ Mankertz A, et al. [See Related Articles]
Mapping and characterization of the origin of DNA replication of porcine circovirus.
J Virol. 1997 Mar;71(3):2562-6.
PMID: 9032401; UI: 97184599.